

CHRIS ZHU

Chicago, IL 60605

EDUCATION

Computer Science Major, Physics Minor | University of Chicago | Chicago, IL | 06/2022

- GPA: 3.83/4.00
- *Honors*: Dean's List 2018-19, Dean's List 2021-2022
- *Relevant Coursework*: Intro to Database Systems, Data Science for Computer Scientists, Data Visualization, Intro to Complexity Theory, Computer Networks, Math Foundations of ML, Parallel Computing, Computer Architecture for Scientists, Intro to Graphics, Scientific Visualization

PUBLICATIONS

- *Data Station: Delegated, Trustworthy, and Auditable Computation to Enable Data-Sharing Consortia with a Data Escrow*. Siyuan Xia, Zhiru Zhu, Chris Zhu, Jinjin Zhao, Kyle Chard, Aaron Elmore, Ian Foster, Michael Franklin, Sanjay Krishnan, Raul Castro Fernandez. *VLDB 2022*.

SKILLS

- *Programming Languages*: C, Java, Javascript, Python, Racket, Ruby
- *Languages*: Mandarin, Shanghainese, Spanish

RELEVANT EXPERIENCE

**Full-time Research Assistant | Prof. Raul Castro Fernandez, University of Chicago | Chicago, IL
09/2022 - Present**

- Researching problems in Data Sharing: how to help data-driven organizations combine their data with others to unleash their value.
- Focusing on joining disparate schemas and contract-based access control.

**Undergrad Research Assistant | Prof. Raul Castro Fernandez, University of Chicago | Chicago, IL
08/2021 - 06/2022**

- Investigated and chose a secure enclave. Ran TPC-H and stress-ng experiments on them and created graphs and wrote the corresponding section in our research paper.
- Compared our system with Sieve, a secure file transfer protocol.

Software Engineering Intern | KeepTruckin | San Francisco, CA | 06/2021 - 08/2021

- Revamped Ruby on Rails logging with exact timestamps, filename, and line number; included more verbose logs for debugging and more concise ones for user-facing code.
- Introduced Sorbet, a static typechecker for Ruby into the codebase. Demonstrated a successful proof of concept for adding it into the codebase.

Machining Intern | Standard Metal Products | San Francisco, CA | 07/2019 - 08/2019

- Mentored by professional machinist and operated mills, drill presses, waterjet, and hand tools to build 20+ custom hardware (i.e. battery enclosures and ground equipment for aerospace use).
- Drew 5+ CAD designs that were cut in the waterjet; designed a knife that was fully manufactured.

VOLUNTEERING/ LEADERSHIP

UChicago Badminton Club President | University of Chicago | Chicago, IL | 2021 - 2022

TechTeam | University of Chicago | Chicago, IL | 01/2020-03/2020

AP Chemistry & Math Tutor | Phoenix Tutoring | Chicago, IL | 2018 - 2020

HOBBIES

- Cooking, badminton, lifting, and backpacking (completed John Muir Trail)